

## HMMWV Hood Reinforcement Panel Installation

NSN: 2510-01-547-7220

For installation, please follow these simple directions. In some cases, it may be necessary to supply longer bolt length for removed bolts depending on hood design and blast shield radiator attachment components.

### NOTE

TM 9-2320-280-24P-1

Figure 203. Hood Assembly grille and Related Parts

Extended length bolts may be necessary during assembly (see fig 2)

Current item	NSN	Proposed change Length
1. Screw, Cap Hexagon 1/4-20 1.00	5340-01-213-4662	1/4-20 1.25
15. Shield expansion 1/4-20		

In the event the vehicle is equipped with a Bridge Classification mount, use the following information:

Current item UNC	NSN	Proposed change to UNF
Bridge Classification Mount Screw Cap Hexagon 5/16 -18 1.00	5305-00-726-2525	5/16 - 24 1.25
Not used		Internal shake proof washer 5/16
Hexagon nut 5/16-18	5310-00931-8167	5/16-24

The Hood Reinforcement Kit effectively strengthens the hood and prevents growth of pre-existing cracks for Hood P/N 12338940 which is the hood used on all M998 series, basic, A1, and A2 models, as well as the M1121 and M1123 models.

The panel is supplied with 3M VHB tape (Very High Bond) installed on hood side of the panel and is designed for peel and stick installation. Additionally, panels are predrilled to aid in the placement and installation of the supplied pop rivets.

**Step 1.** Remove headlight harness bolts and clamps

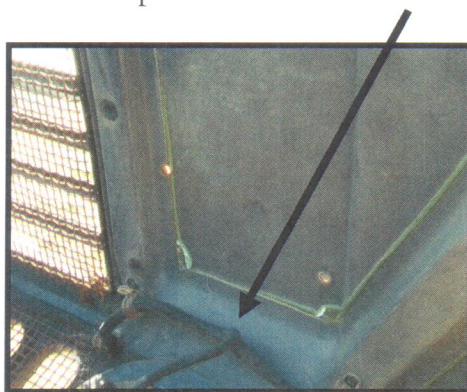
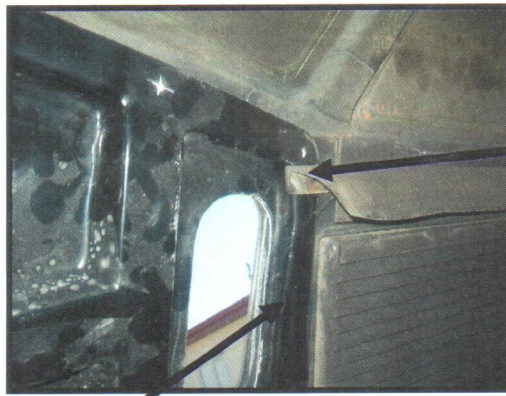


Figure 1

**Step 2.** Remove 2ea upper radiator seal bolts on each side. It may be necessary to bend the upper seal away from the hood area to allow the panel to fit underneath the brace.



Remove 2 each bolts  
from each side

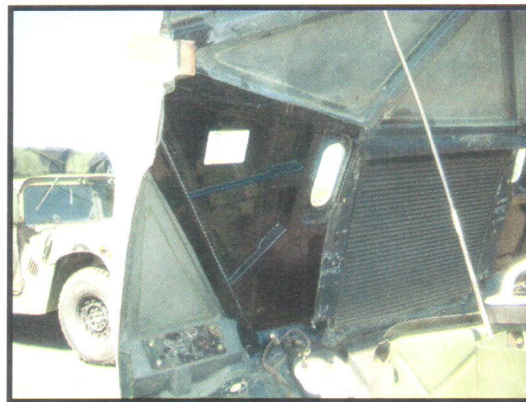
**Figure 2**

**Step 3.** Remove side radiator bolts and braces if necessary.

**Step 4.** Pre cleaning with simple green or other non-caustic cleaner of the underside is necessary and very effective to remove any grease or oil to allow for adhesion of the 3M VHB tape. Always allow the area to dry or use shop air to remove moisture.

**Step 5.** Peel all 3M protective strips from panel

**Step 6.** Place reinforcement panel and align within the underside hood area. It may be necessary to use the palm of your hand to strike the panel and allow it to set into the proper alignment.



**Figure 3**

**Step 7.** Drill and install two or three pop rivets to hold the panel while the remaining holes are drilled being careful do not drill past the hood brace areas.

**Step 8.** Install the remaining pop rivets

**Step 9.** Install and tighten all bolts removed in steps 1 through 3.

#### NOTE

VHB tape at temperatures above 60 degrees cures in 24 hrs. Vehicle can be used immediately after hood panels have been installed.